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PTO/SB/08A (08-00)

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	Not yet assigned
		Filing Date	HEREWITH
		First Named Inventor	Jose P. Pereira
		Art Unit	2818 (parent)
		Examiner Name	Thong Quoc Le (parent)
Sheet 1 of 5	Attorney Docket Number	NLMI.P103C2	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code‡ (§ known)			
TL		3,675,211		Raviv	07-04-1972	
TL		4,159,538		Motsch	06-26-1979	
TL		4,928,260		Chuang, et al.	05-22-1990	
TL		5,325,501		Carlstedt	06-28-1994	
TL		5,444,649		Nemirovsky	08-22-1995	
TL		5,576,985		Holtz	11-19-1998	
TL		6,000,008		Simcoe	12-7-1999	
TL		6,006,306		Haywood, et al.	12-21-1999	
TL		6,011,795		Varghese, et al.	01-04-2000	
TL		6,044,005		Gibson, et al.	03-28-2000	
TL		6,081,440		Washburn, et al.	06-27-2000	
TL		6,098,147		Mizuhara	08-02-2000	
TL		6,144,574		Kobayashi	11-07-2000	
TL		6,161,144		Michels, et al.	12-12-2000	
TL		6,186,938		Wong	12-26-2000	
TL		6,175,514	B1	Henderson, et al.	01-16-2001	
TL		6,181,698	B1	Harguchi	01-30-2001	
TL		6,237,081	B1	Srinivasan, et al.	03-22-2001	
TL		6,252,789	B1	Pereira, et al.	06-26-2001	
TL		6,266,262	B1	Washburn, et al.	06-24-2001	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.†	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office‡	Number‡	Kind Code‡ (§ known)			
TL		JP	08-273376		Kawasaki Steel Corp.	10-18-1996	
TL		JP	07-021785		Kawasaki Steel Corp.	01-24-1995	
TL		EP	0774758	A2	Cirrus Logic	05-21-1997	
TL		EP	1063827	A2	NEC Corporation	12-27-2000	
TL		EP	1096504	A1	Sibercore Technologies, Inc.	05-02-2001	
TL		EP	0858077	A2	Northern Telecom Ltd.	08-12-1998	
TL		EP	0918335	A2	NEC Corporation	05-26-1999	

Examiner Signature	<i>Thong Quoc Le</i>	Date Considered	7/30/04
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† Unique citation designation number. ‡ See attached Kinds of U.S. Patent Documents. ‡ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ‡ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ‡ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ‡ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	3	of	5
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Complete if Known

Application Number	Not yet assigned
Filing Date	HEREWITH
First Named Inventor	Jose P. Pareira
Art Unit	2818 (parent)
Examiner Name	Thong Quoc Le (parent)
Attorney Docket Number	NLM1.P103C2

U.S. PATENT DOCUMENTS

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TL		5,642,322		Yoneda	06-24-1997	
TL		5,649,149		Stormon et al.	07-15-1997	
TL		5,706,224		Srinivasan et al.	01-06-1998	
TL		5,787,458		Miwa	07-28-1998	
TL		5,818,788		Yoneda	10-06-1998	
TL		5,860,085		Stormon et al.	01-12-1999	
TL		5,870,324		Helwig et al.	02-09-1999	
TL		5,920,888		Feldmeir	07-08-1999	
TL		5,930,790		Law et al.	07-27-1999	
TL		5,943,252		Schultz et al.	08-24-1999	
TL		5,946,704		Yoneda et al.	08-31-1999	
TL		5,999,435		Henderson et al.	12-07-1999	
TL		6,081,441		Ikeda	06-27-2000	
TL		6,081,442		Igarashi et al.	06-27-2000	
TL		6,147,890		Kawana et al.	11-14-2000	
TL		6,252,788		Pereira et al.	06-26-2001	
TL		6,253,280		Voelkel	06-26-2001	

FOREIGN PATENT DOCUMENTS

[illegible]

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		Art Unit	2818 (parent)
		Examiner Name	Thong Quoc Le (parent)
Sheet 5 of 5	Attorney Docket Number	NLMI.P103C2	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TL		KEN SCHULTZ and ANDREW SOROWKA, "High-Performance CAMs for 10 GB/S and Beyond," Gibabit Ethernet Conference (GEC 2000), March 27, 2000, pp. 147-154	
TL		S. DEERING and R. HINDEN, "Internet Protocol, Version 6 (IPv6) Specification," Network Working Group, Request for Comments: 2460, December 1998, pp. 1-39	
TL		"LNI7020 Search Engine, Version 2.0," Lara Networks, Inc., pp. 1-129 downloaded April 5, 2001 from URL http://www.st.com ,	
TL		"LNI7040 Search Engine, Version 1.1," Lara Networks, Inc., pp. 1-142 downloaded March 27, 2001 from URL http://www.laranetworks.com	

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